

From: "Coffey, Scott" <CoffeySE@cdmsmith.com>
To: "Zhen, Davis" <Zhen.Davis@epa.gov>
"Sheldrake, Sean" <sheldrake.sean@epa.gov>
CC: younghs@cdmsmith.com
"Parsons, Robbie" <ParsonsR@cdmsmith.com>
Date: 3/12/2018 8:48:33 AM
Subject: FW: Change Request 1 to EPA - Bathymetry Datum
Attachments: [Change Request 01 - Bathy Datum.pdf](#)
[Change Request 01 - Bathy Datum.xlsx](#)
[Jon Dasler email 3-9-18.pdf](#)

Hi Davis.

I had our technical lead reviewer for the Bathymetry data collection FSP (Rob Parsons) review this change request and we are OK with the change request.

Also, we can perform the post-processing adjustments to the datum for EPA if needed.

From: Tyrrell, Ken [mailto:ken.tyrrell@aecom.com]
Sent: Friday, March 09, 2018 4:14 PM
To: Zhen, Davis <Zhen.Davis@epa.gov>
Cc: Pretare, Jennifer <jennifer.pretare@aecom.com>; Coffey, Scott <CoffeySE@cdmsmith.com>; Young, Howard S. <younghs@cdmsmith.com>
Subject: Change Request 1 to EPA - Bathymetry Datum

Davis,

First, my apologies for a technical email late on a Friday.

Second, This is to inform you that DEA (our Bathy Survey contractor) is suggesting a change in the datum's used for the bathy survey.

Here's a key phrase from the attached email from Jon Dasler dated March 9, 2018:

"Based on these results we suggest the 2018 mapping effort be based on NAD83(2011) and use Geoid12b to obtain NAVD88 orthometric heights. This would reduce confusion with integration of more current data (base maps, lidar, etc.) and is in the noise level of the difference analysis, although old data sets could be adjusted forward. The decision to hold NAD83/91 Geoid99 or NAD83(2011) Geoid12b should be made prior to field data acquisition. If we held the superseded datum of NAD83/91 and Geoid99, we would shift our base station position based on the average of the differences. That said, we would suggest standing down on acquisition until Monday, March 19, until a final decision can be made on datums."

Third, this is the first instance of a suggested change to an approved FSP. We are adopting a form to be used in such instances. The adopted form is attached and it includes information specific to the issue about datum controls.

Scott Coffey and Howard Young are copied.

I left you a voice message about this topic (a vm on a deeply technical topic late on a Friday – my apologies).

Ken Tyrrell
Executive Vice President
Project Coordinator – Portland Harbor
Design and Consulting Services Group
M +281-224-2793
ken.tyrrell@aecom.com
AECOM
1111 Third Avenue
Seattle, WA 98101

From: Pretare, Jennifer
Sent: Friday, March 9, 2018 2:43 PM
To: Tyrrell, Ken <ken.tyrrell@aecom.com>
Cc: Anne Fitzpatrick <AFitzpatrick@Geosyntec.com>; Keith Kroeger (<KKroeger@Geosyntec.com>
<KKroeger@Geosyntec.com>
Subject: Change Request 1 to EPA - Bathymetry Datum

Ken,

Attached is a Change Request to EPA for modifying the protocols identified in the Bathymetry FSP. If you agree with it, the next step would be to insert your signature and forward to Davis Zhen at EPA. He may not have seen this particular type of form before, but it is what I am proposing to use going forward to document when are requesting changes in published (and accepted) FSPs. DEA has completed their land based control point survey, which is documented in the attached email.

Looking back at Davis Zhen's email on Feb. 22nd, I see this:

"I am writing to conditionally approve the Pre-RD Group's Draft Bathymetry Survey Field Sampling Plan. Per our recent conversations during the February 7, 2018 in person meeting and subsequent phone calls, the responses to EPA's Primary Comments 2 and 3 and To Be Considered Comment 2 on the Draft Bathymetry FSP will be provided at a later date. The EPA is conditionally approving the FSP pending the following conditions:

- Submittal of a survey monument map that is acceptable to EPA

I would assume that DEA needs to produce a survey monument map based on the work they did this week, correct? Please confirm.

Thanks
Jenny

Jennifer (Jenny) Pretare, Ph.D.
Project Manager
Environment, Pacific Northwest Region
D +1-206-438-2175
M +1-510-681-6401
Jennifer.Pretare@aecom.com

AECOM
1111 3rd Ave, Suite 1600
Seattle, WA 98101, USA
T +206-438-2700
aecom.com

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